Prechamber valve controller 25

Variable intake/exhaust valve system 45

ECU 30

Sensors 40
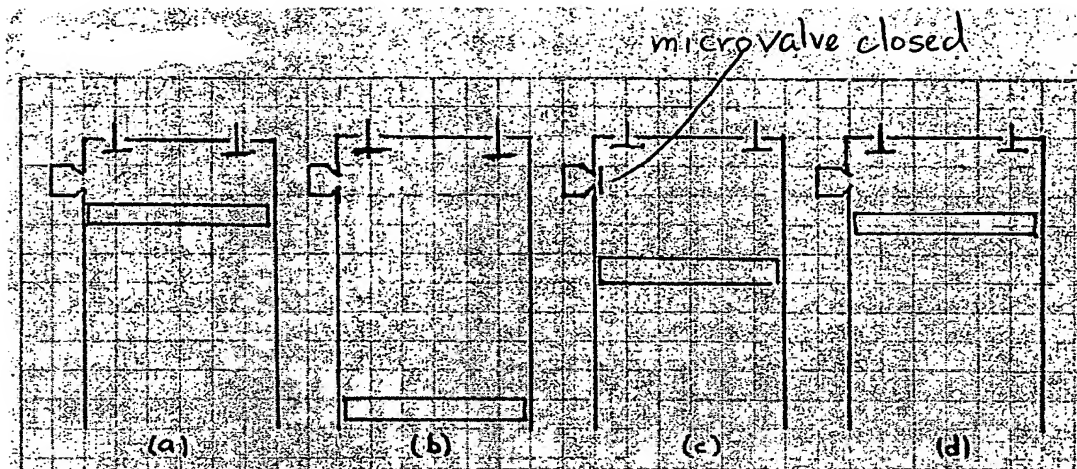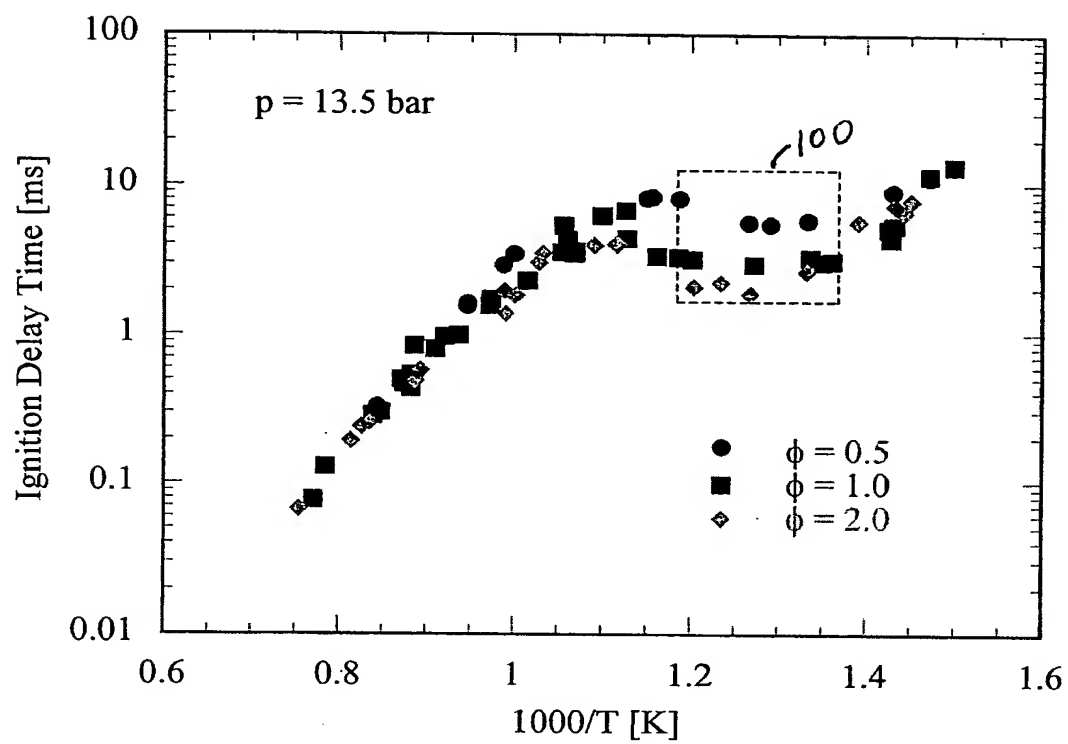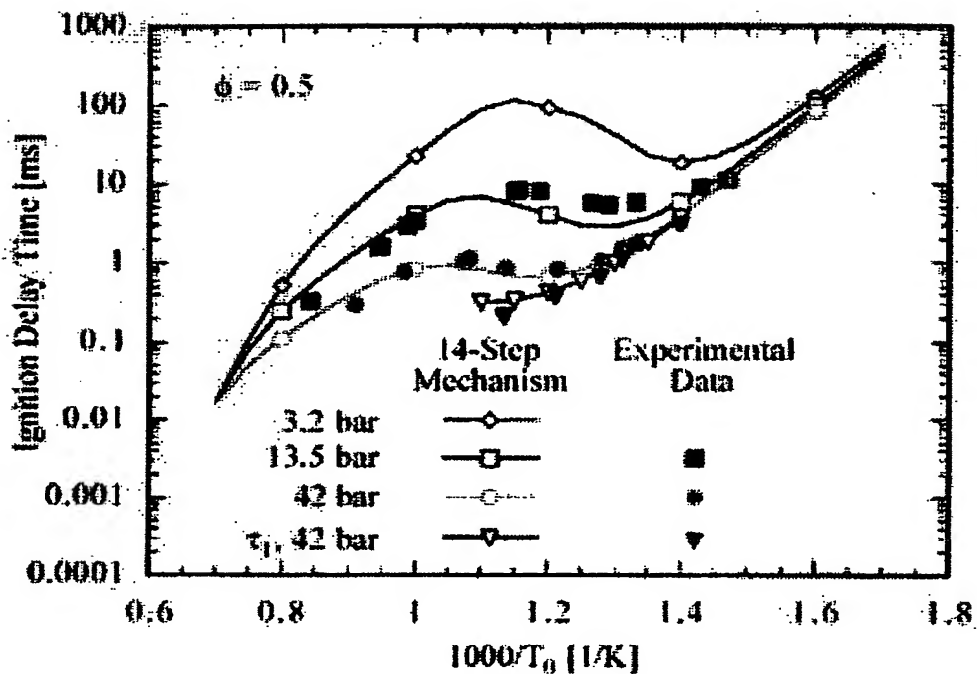
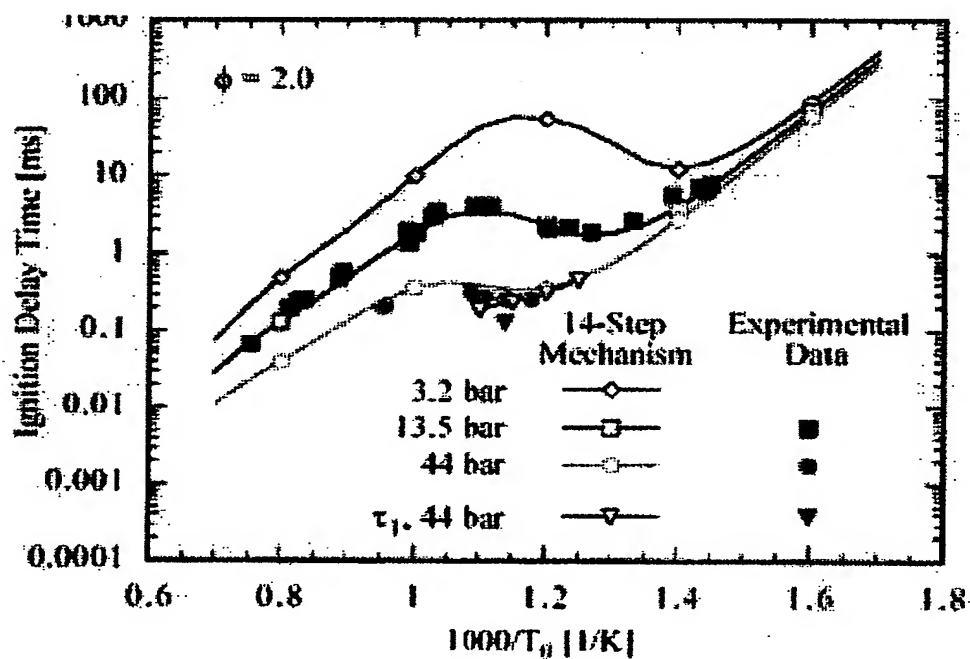load requirements 35

20b

22b

42

41

22ᵃ

15

13

20ᵃ

10

FIG. 1

FIGURE 2

FIGURE 3

FIGURE 4A

FIGURE 4B

FIGURE 5A

FIGURE 5B